Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_

Adding and Subtracting in Scientific Notation

1. ***Directions:*** Add or subtract the numbers in scientific notation with **the same power of 10.**

|  |  |
| --- | --- |
| a) 8.2 ∙ 105 + 3.7 ∙ 105 = | b) 9.7 ∙ 10-3 + 5.22 ∙ 10-3 = |
| c) 5.34 ∙ 10-4 – 4.72 ∙ 10-4 = | d) 4.12 ∙ 107 – 3.9 ∙ 107 = |

2. ***Directions***: Add or subtract the numbers in scientific notation with **different powers of 10.**

|  |  |
| --- | --- |
| a) 3.42 ∙ 104 + 2.81 ∙ 105 = | b) 6.29 ∙ 10-2 + 1.34 ∙ 10-3 = |
| c) 7.18 ∙ 106 – 5.37 ∙ 105 = | d) 7.1 ∙ 10-3 – 5.7 ∙ 10-4 = |

3. ***Directions:*** Add or subtract the numbers in scientific notation with **the same power of 10.**

|  |  |
| --- | --- |
| a) 2.3 ∙ 105 + 4.7 ∙ 105 = | b) 6.39 ∙ 10-5 + 7.42 ∙ 10-5 = |
| c) 2.58 ∙ 104 – 1.83 ∙ 104 = | d) 8.33 ∙ 10-7 – 3.78 ∙ 10-7 = |

4. ***Directions***: Add or subtract the numbers in scientific notation with **different powers of 10.**

|  |  |
| --- | --- |
| a) 4.46 ∙ 104 + 7.98 ∙ 105 = | b) 6.12 ∙ 10-2 + 8.19 ∙ 10-3 = |
| c) 9.56 ∙ 106 – 7.61∙ 105 = | d) 4.75 ∙ 10-3 – 3.86 ∙ 10-4 = |